


*Expression of Interest and
Statement of Qualifications to
The West Virginia Department of Health and
Human Resources*



*William R. Sharpe, Jr. Hospital
New Patient Care Unit
RFQ # 90086*

December 4, 2008

THRASHER
ENGINEERING
CIVIL • ENVIRONMENTAL • CONSULTING • ARCHITECTURE • FIELD SERVICES

A Resource Engineering Group Company

30 Columbia Boulevard
Clarksburg, West Virginia 26301
304-624-4108
304-624-7831
thrasher@thrashereng.com
www.thrashereng.com



A Resource Engineering Group Company

30 Columbia Boulevard
P.O. Box 1532
Clarksburg, WV 26301

(304) 624•4108
Fax: 624•7831
thrasher@thrashereng.com
www.thrashereng.com

December 2, 2008

West Virginia Department of Health and Human Resources
Wm. R. Sharpe Jr. Hospital
c/o West Virginia Purchasing Division
Ms. Roberta Wagner
2019 Washington Street East
Charleston, WV 25305

**RE: *Architectural and Engineering Services
Wm. R. Sharpe, Jr. Hospital- RFQ # WSH90086***

To Whom it May Concern:

Thrasher Engineering, Inc. is pleased to respond to the Request for Qualification to provide the engineering and architectural planning and design services for the addition of a patient care unit at William R. Sharpe, Jr. Hospital.

As West Virginia's largest owned and operated engineering and architectural firm, Thrasher Engineering has a vested interest in the on-going improvements of public facilities within our state. Since our formation in 1983, we have focused on publicly funded projects, many within Lewis County. We are celebrating our 25th anniversary in 2008 and over our years of business, we have grown to a company of 170 people. Our philosophy has always been "Successful Projects Result in Repeat Clientele!" That philosophy has served our clients well.

We began by doing simple water and sewer design services, but have expanded in many different areas of civil engineering, including site development for a variety of building projects. Three years ago we added architecture to our services. What has resulted is a creative, experienced architectural group employing an engineering type approach to project delivery.

We did this at the request of several of our clients who desired to have more of an engineering firms approach to project delivery than a typical architectural approach. Architecture firms often emphasize the creative aspect of their field at the expense of practicality, sound plans and specification preparation. Engineering plans tend to be more concise, accurate, and understandable.

To start our architectural division, we asked Lee Gustafson, AIA, to join our staff. Lee had operated his own firm for over 30 years and started his firm with a specialization in health care facilities; he is a very accomplished, seasoned Architect in this field. His vast experience is outlined in the proposal. Craig Baker, Associate AIA, was hired to run

the architectural division. Craig is young but a very accomplished Architect that brings great business perspective into play. He is timely, responsive, honest, and a great communicator.

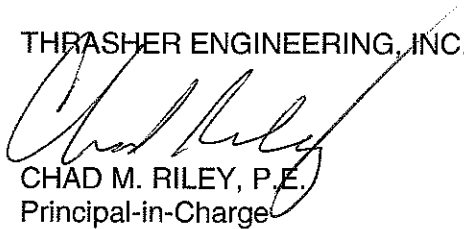
In addition to engineering and architecture, Thrasher Engineering, Inc. is one of the few firms you will find that also offers all of the field services that will be necessary for the complete construction of your facility. We provide survey, construction management and inspection and materials testing in-house; our inspection and testing department provides their services to all of the new construction projects for the West Virginia University Health Science Center.

Our full service is of great benefit to you because of the continuity it brings to the design process. We simply function better at project delivery services than our competitors. This is exhibited every day in terms of the time necessary to complete a design, the in-house review and overlap, and one voice to the client.

Thrasher Engineering, Inc. knows we are uniquely qualified to provide the services required. We would very much welcome the opportunity to work for you and commit that our services will be second to none.

Sincerely,

THRASHER ENGINEERING, INC.



CHAD M. RILEY, P.E.
Principal-in-Charge



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 WSH90086

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 ROBERTA WAGNER
 304-558-0067

RFQ COPY
 TYPE NAME/ADDRESS HERE
 THRASHER ENGINEERING, INC.
 30 COLUMBIA BLVD.
 CLARKSBURG, WV 26301

SHIP TO
 HEALTH AND HUMAN RESOURCES
 WILLIAM R. SHARPE JR. HOSPITAL
 CENTRAL RECEIVING
 936 SHARPE HOSPITAL ROAD
 WESTON, WV
 26452 304-269-1210

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
11/03/2008				

BID OPENING DATE: 12/04/2008 BID OPENING TIME 01:30PM

LINE	QUANTITY	LOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES TO PREPARE DETAILED SPECIFICATIONS AND DRAWINGS FOR PUBLIC BIDDING THAT WILL INCLUDE DESIGN OF A NEW 25,000 +/- SQUARE FOOT 50 BED PATIENT CARE UNIT AT THE WILLIAM R. SHARPE, JR., HOSPITAL LOCATED IN WESTON, WEST VIRGINIA, PER THE ATTACHED. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER. ***** THIS IS THE END OF RFQ WSH90086 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
NATURE Principal-In-Charge	TELEPHONE 304-624-4108	DATE 12-2-2008
FEIN 55 0633 596 6	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

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ROBERTA WAGNER 304-558-0067

PROPOSAL

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 Thrasher Engineering, Inc.
 30 Columbia Blvd.
 Clarksburg, WV 26301

SHIP TO

HEALTH AND HUMAN RESOURCES
 WILLIAM R. SHARPE JR. HOSPITAL
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 26452 304-269-1210

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
11/19/2008				

BID OPENING DATE: 12/04/2008	BID OPENING TIME: 01:30PM
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2 1. QUESTIONS AND ANSWERS ATTACHED. 2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID. EXHIBIT 10 REQUISITION NO.: WSH90086 ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC. ADDENDUM NO. S: NO. 1 <i>OK</i> NO. 2 <i>OK</i> NO. 3 NO. 4 NO. 5 I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS	
Principal-In-Charge <i>Chris Kelly</i>	TELEPHONE 304-624-4108 DATE 12-2-2008
FAX 55-0633-596 6	ADDRESS CHANGES TO BE NOTED ABOVE

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 Thrasher Engineering
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 Clarksburg, WV 26301

SUBMITTOR
 HEALTH AND HUMAN RESOURCES
 WILLIAM R. SHARPE JR. HOSPITAL
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
 SIGNATURE Thrasher Engineering, Inc. COMPANY December 2, 2008 DATE						
REV. 11/96						
END OF ADDENDUM NO. 2						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE 	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name: Thrasher Engineering, Inc.

Authorized Signature: _____

Date: December 2, 2008

FIRM OVERVIEW

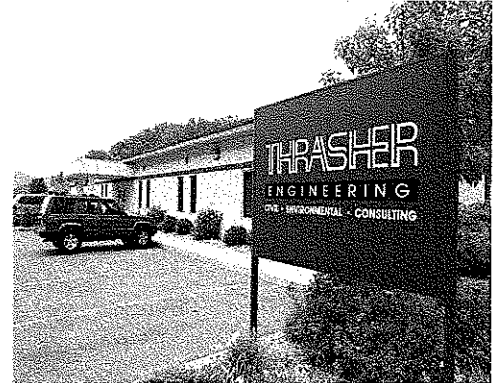
THRASHER ENGINEERING, INC.

Officers

H. Wood Thrasher, P.E.,	President
Kenneth P. Moran, P.E., P.S.	Vice-President
Kurt L. Newbrough, P.S.	Secretary / Treasurer

Partners

Wm. Randy Watson	Public Utilities
Chadwick Biller, P.E.	Site Development / Highways / Airports
Chad Riley, P.E.	Site Development
Clay P. Riley, P.E.	Public Utilities
Daniel E. Ferrell, P.E.	Public Utilities



*Thrasher Engineering, Inc. Office –
Clarksburg, WV*

Scope of Services

- Architecture
- Landscape Architecture
- Site Development – Industrial/ Business / Commercial / Residential
- General Civil Engineering – Municipal Engineering / Subdivisions/ Paving
- Highway/ Roadways / Recreational Trails Design
- Public Work – Water / Sewer / Treatment Plants / Facility Plans / Business and Industrial Parks
- Environmental Engineering
- Land Surveying, Platting, Legal Description Preparation
- Construction Management / Materials Testing / Inspection
- GIS Mapping and Software Development

Offices

- 30 Columbia Boulevard, Clarksburg, WV
- 300 Association Drive, Charleston, WV – Thrasher Environmental
- 3000 Thayer Center, Oakland, MD
- Main Street, Moorefield, WV – Field Office
- Martinsburg, WV – The Berkeley Associates- Affiliate
- Princeton, WV – Pentree, Incorporated - Affiliate

Employees

170 including:

- Registered Professional Engineers
- Registered Professional Surveyors
- Environmental Engineers
- Architects
- Landscape Architects
- Engineering Technicians /Project Designers / CADD Operators
- Construction Inspectors
- Surveyors
- Office Support

Statement of Qualifications

Thrasher Engineering, Inc. provides the West Virginia Department of Health and Human Resources and the William R. Sharpe Hospital the advantage of providing the full scope of services for its new Patient Care Unit Project **under single corporate management.**

Founded in 1983, Thrasher Engineering, a West Virginia owned and operated full-service company, has provided engineering design and construction services for infrastructure throughout the State of West Virginia for 25 years. Throughout our history, Thrasher Engineering has provided site development planning and engineering design services for many successful building projects, working with numerous architectural firms and contractors. Based on that success, in 2004, we added architectural design to the scope of services we provide in-house.

Architectural / Engineering Qualifications

Exceptional customer service, versatility, quality and experience are the benefits realized by the selection of Thrasher Engineering.

Our architects bring over 30 years of experience to the project; a balance of aesthetics, functional design and maintainability is the base of their design. The civil engineering team, working with the architects, offers the structural, utilities, and landscape architecture segments.

In addition to our ability to provide the necessary services for architecture, civil engineering and field services under single corporate management, Thrasher Engineering, Inc.'s selection brings the following benefits to the Wm. R. Sharpe, Jr. Hospital project:

- ❑ We offer extensive experience with hospital and health care facility projects. Our lead architect has provided design and construction documentation services, along with permit acquisition for Ruby Memorial Hospital, Sharpe Hospital in Weston and United Hospital in Clarksburg, among others.
- ❑ We offer an approach to architectural projects different from that of other firms. Our engineering emphasis on the details of construction bidding documents for our design, in addition to the design itself, results in ***more accurate bids and fewer change orders - bringing cost savings to our clients.***
- ❑ We offer a solid track record of architecture and engineering requiring integrated communication among design and construction teams.
- ❑ We offer a teamwork process. Whether we are serving as the civil engineer for architecture within our own company, as a sub-contractor to other architectural firms or, in a design-build team, we communicate with the project owner to provide design and construction services on-time and within budget.

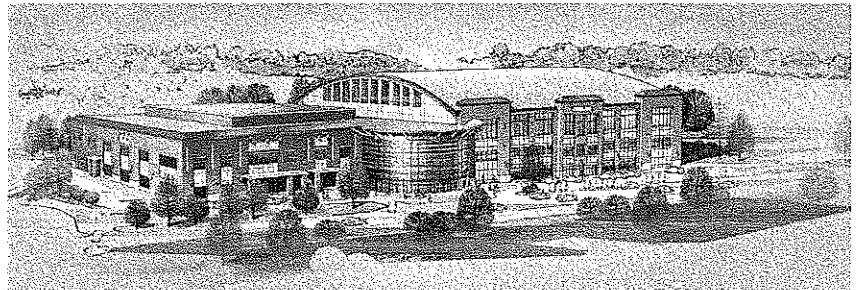


WVU Eye Institute – Morgantown, WV

Thrasher Engineering has provided feasibility studies, design, bidding and construction phase services for over \$500 Million in construction for infrastructure and building projects within the State of West Virginia.

Design Services Offered

Exceptional customer service, versatility, quality and experience are the benefits realized by the selection of Thrasher Engineering for the Sharpe Hospital project. We offer, in house, the full scope of design services, in addition to construction administration, inspection and materials testing services for a turn-key project:



Conceptual plan for Sports / Education Facility for Glenville State College

- ❑ **Architecture:** Our architects bring over 30 years of experience to the project; a balance of aesthetics, functional design and maintainability is the base of their design. Our lead architect began his career with a focus on health-care facilities and his work is demonstrated in projects at hospital facilities including the WVU Eye Institute and numerous urgent care and nursing home facilities.
- ❑ **Engineering:** Thrasher Engineering, Inc.'s roots are in the engineering design of public utilities projects including water, sanitary sewer and storm water systems. Expanding upon those design abilities, we offer full design services for site development and building projects. The civil engineering team, working with the architects, also offers the structural engineering aspect.
- ❑ **Construction Management / Inspection and Materials Testing:** For all of our projects, Thrasher Engineering, Inc. provides the knowledgeable and experienced personnel necessary to manage the construction phase in the best interest of the client. Our Materials Testing Department is capable of performing a wide range of field and laboratory tests. Our quality of our staff's abilities is demonstrated in West Virginia University Hospitals' selection of our team to provide inspection and testing on their new facilities.



Thrasher Engineering provides various materials testing and inspection services for the expansion of West Virginia University's Ruby Memorial Hospital and the addition of the Health Science Learning Center.



Mechanical-Electrical-Plumbing Design

The only service that Thrasher Engineering, Inc. sub-contracts for our building projects is for Mechanical, Electrical and Plumbing design. However, we consider these designers as a part of our team and represent them under our ***single contact management method***. For your project, we will utilize the services of ***Harper Engineering***.

Harper Engineering is an innovative new engineering firm serving architects, owners, and contractors throughout the state. They offer full service commercial and industrial engineering with over 60 years of combined experience striving to offer the best service at the most competitive rates. Their hospital experience includes the MRI Imaging section of Princeton Hospital.

M-E-P services that Harper Engineering will provide for the project include design of HVAC, electrical, lighting, fire alarm, security and communications, plumbing and fire suppression.



Technical Expertise

Permitting and Regulatory Approvals

By virtue of the number of projects in all disciplines that are funded by state and federal sources, we have developed strong working relationships with those agencies whose criteria must be followed to meet the regulations. As Thrasher Engineering, Inc. is a West Virginia owned and operated firm, we have extensive knowledge of those regulations and have earned respect from the personnel of the agencies for submitting our specifications the right way to expedite progress on the project.

The agencies with which we work on a regular basis include:

United States Department of Agriculture – Rural Development
Government Service Administration
United States Department of Commerce – Economic Development Authority
United States Department of Housing and Urban Development
West Virginia State Fire Commission
West Virginia Office of Health Facilities, Licensure and Certification

Concepts and Project Approach

To meet its needs for the new patient care unit, the WV DHHR and Sharpe Hospital need an architect and engineering team that understands the procedures necessary to provide all phases of design and engineering from preliminary planning through construction. This team should have the capabilities to work with the designated representatives of the Department and hospital representatives from planning through construction inspection and the completion of the project. The Thrasher Engineering, Inc. team will meet and exceed these requirements.

We understand the complexities involved with the design and materials restrictions for hospital facilities along with required fire code regulation and ADA compliance. Because of this experience we are able to foresee possible issues and design projects around those potential problems to avoid changes or delays.

NEEDS ASSESSMENT

Thrasher Engineering will review any available preliminary studies and reports regarding the expansion plans and will work with the hospital staff to identify the specific needs of the department and those who utilize the facility. From this analysis, costs, quality and scope will be prioritized.

PROJECT DESIGN

PRELIMINARY DESIGN

Once preliminary evaluations and assessments are complete, preliminary design will begin. The key to the design of the renovations will be a balance of functionality, durability and maintainability with an aesthetically pleasing result that adheres to your budget.

COST ESTIMATES

Plans will be presented to the representatives from the hospital involved in the project, along with cost estimates. Accurately estimating construction costs is vitally important. A capable architect and engineering team provides good estimates, even though there may be several years between estimating and construction. Our track record in accurate estimates will bring cost efficiencies to your project.

COMMUNICATION

After review, comment and adjustments made as necessary, the plans will be sent to all consultants to begin the detailed contract documentation. The hospital representatives responsible for oversight of the project will receive progress reports on a regular basis; code reviews will be made during the Design Development phase and in the final stage of the bid documentation process. Continued contact between the architect, engineering consultants, code officials and the hospital will ensure a complete and thorough set of documents.

PROJECT ADMINISTRATION

DOCUMENT PREPARATION, SOLICITATION & EVALUATION OF BIDS

A project that is well designed is one in which the work to be done is clearly defined, allowing contractors to reduce their risk factor, resulting in a more competitive situation and lower bid prices. A well-designed project often has more bidders with a closer spread in bids than a poorly designed one.

Accurately estimating construction costs is vitally important. Our team has a track record of accurate estimating and competitive bids.

CONSTRUCTION MANAGEMENT AND MATERIALS TESTING/INSPECTION

Over our 25-year history, Thrasher Engineering has developed and employed methods in construction management and inspection process that have been proven effective and efficient. It is the A/E team's responsibility to prepare project documents and provide administrative support for all construction activities. In addition to preparation of bid and contract documents, review and approval of contractor's payment requests, preparation of supporting documentation and preparation of cost analysis are important. Thrasher Engineering's team provides the documentation necessary to meet the client's needs.

TEAMWORK

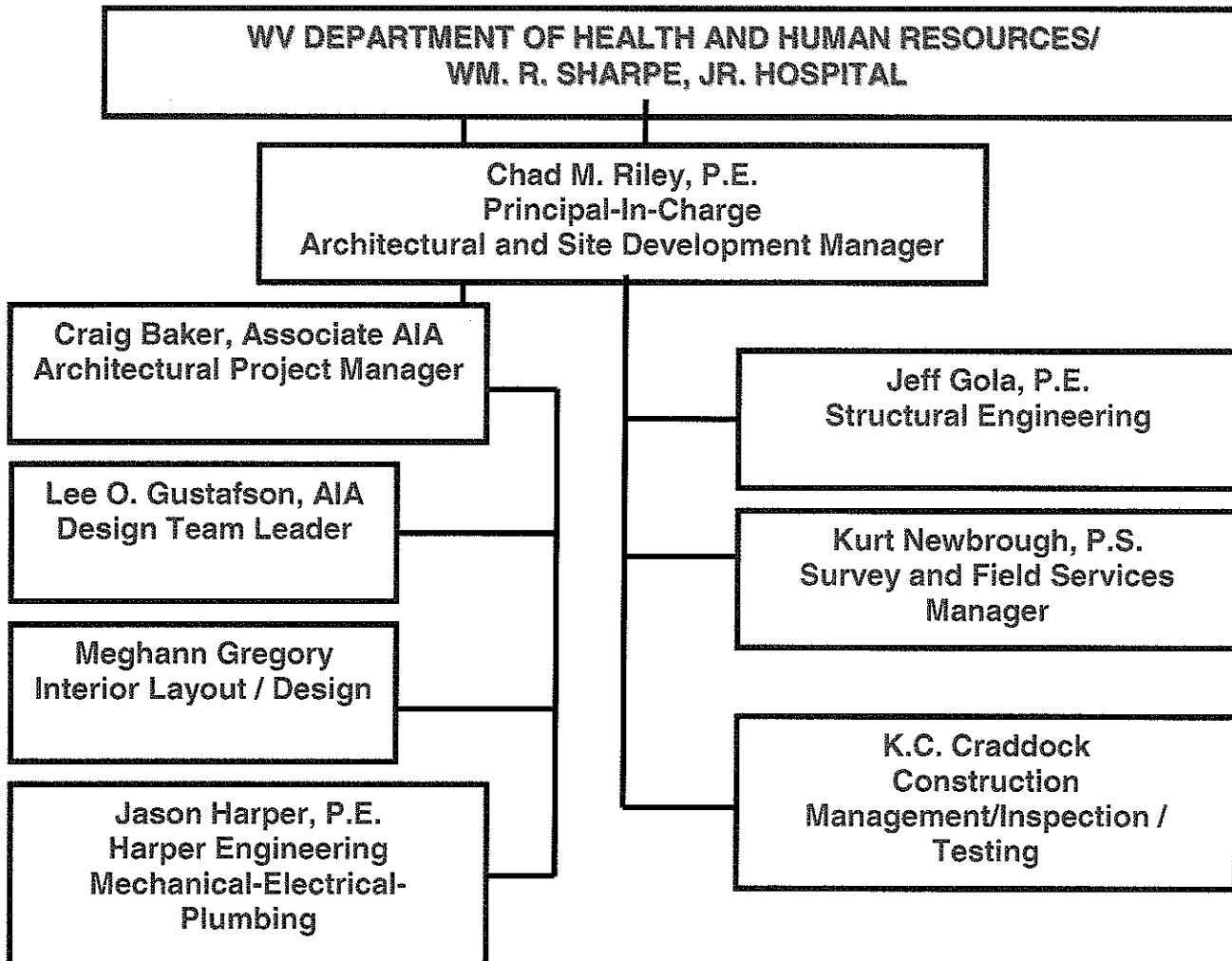
Most importantly, we recognize that our client may look to us for assistance in a variety of areas long after construction is complete, and we offer that follow-up service without charge to our client.

Management and Staffing

Thrasher Engineering has compiled a project team that can provide the full spectrum of services for the construction of your new facility from programming / planning through construction inspection. Although many firms can also make this claim, at Thrasher Engineering, Inc. we pride ourselves on the fact that we direct all aspects, ***including work performed by sub-consultants*** under single corporate management. All contracts will be with Thrasher Engineering, Inc., allowing you one source for project coordination.

Because we take an "engineering approach" to architecture, our management team organization differs from other firms. The Principal-In-Charge focuses on contractual issues and budget, not only for architectural design but also for all engineering aspects. Our architectural and engineering design teams focus on design to meet your needs on-time and within budget. The team for the Sharpe Hospital project consists of the following:

Project Design Team and Resumes



The expertise of the Thrasher Engineering staff is a combination of education and experience; it is reflected in all aspects of our services. The firms are led by a talented group of Principals and Partners who are dedicated to the success of our projects and the satisfaction of our clients.

The West Virginia DHHR and Sharpe Hospital will benefit from the resources of not only Thrasher Engineering for their project, but also services provided **Harper Engineering**, a newly formed M-E-P firm whose partners are highly experienced in office building facilities.

The principals and project team members from Thrasher Engineering who will be involved with the project include:

Chad M. Riley P.E. is a Principal of Resource Engineering Group and a partner in Thrasher Engineering. His primary responsibilities include overseeing both site development and architecture projects as Principal-In-Charge and Project Manager. His experience related to your project includes site development for all infrastructure improvements at Fairmont State University and the development of Wolf Creek Park along with over 10 industrial and business parks throughout West Virginia. Mr. Riley is a graduate engineer from Fairmont State University. He will serve as **Principal-In-Charge and Project Manager** for the project, coordinating architectural and engineering services along with overseeing all contractual obligations of the project.

Craig Baker, Associate AIA will serve as **Architectural Project Manager**. He joined Thrasher Engineering in 2006, following six years of experience with other firms. Mr. Baker received his Bachelor of Science Degree in Architecture Engineering, in 2001 from Fairmont State University. Office buildings, city government buildings, residences, medical facilities and restaurants are among his expertise. Mr. Baker has expertise in all CADD design programs relative to architecture.

For thirty years, **Lee O. Gustafson, AIA** has provided architectural design and engineering services for educational, government, commercial, health care, and residential development throughout the State of West Virginia. Following twelve years of practice with other architectural firms, he formed his own firm, a sole proprietorship, in March of 1985. A graduate of the University of Cincinnati, Mr. Gustafson brings over thirty years of experience to the team, with over twenty-five of those years designing and managing projects throughout the State of West Virginia. Lee will serve as **Lead Design Architect**. His experience relative to this project includes the design of the West Virginia University Eye Institute, a 50,000 square foot office and medical facility.

Structural engineering and **site development** aspects of your project will be the responsibility of **Jeff Gola, P.E.** as **Project Engineer**. Mr. Gola is based in Thrasher Engineering's Clarksburg office, which will allow for communication with the architectural team. He joined Thrasher Engineering in 1998 and is responsible for the structural aspects of engineering design, as well as airport, road, sidewalk, storm water management and demolition projects. Mr. Gola is a Summa Cum Laude graduate of West Virginia University's College of Engineering and Mineral Resources. He is a Registered Professional Engineering in the State of West Virginia.

The Thrasher Engineering, Inc. team also offers the field services necessary to meet the entire scope of your project. Survey, along with construction management and materials testing will also be provided by our team.

Survey services are under the direction of **Kurt Newbrough, P.S.** For 15 years, Mr. Newbrough has served as Survey Supervisor for Thrasher Engineering and is a Principal and Partner in the firm. His position on the team will encompass the management of all survey projects and assignment of survey crews to meet the project needs. He oversees the firm's conventional and GPS survey teams. A Licensed Land Surveyor, he serves as County Surveyor in Harrison County.

Construction Inspection and Materials Testing services will be provided by **Robert "KC" Craddock.** He is responsible for quality control of materials and compaction testing for numerous federal, state and private projects, including all recent construction at West Virginia University Hospitals.

Resumes of these team members follow.

Chad Mitchell Riley, P.E.

Principal-In-Charge / Site Development Manager



Mr. Riley joined Thrasher Engineering in 1996 and became a partner in the firm in 2004. His past experience with the firm has included survey and construction management / inspection responsibilities; he now holds the responsibility of Site Development Manager and lead engineer for site development projects. The focus of these projects is for the development of industrial and business parks, multi-use developments and long-term, multi-phase infrastructure improvement and building projects. He has extensive experience in working with both Federal and State funding agencies, including the US Department of Commerce, Economic Development Authority and the State of West Virginia Development Office.

REPRESENTATIVE PROJECTS

Mr. Riley is currently, or has served, as Project Manager for numerous economic development projects throughout the State of West Virginia. In this capacity, he holds ultimate responsibility for client communication, engineering design, funding issues, construction document preparation, bidding, and construction management.

SITE DEVELOPMENT PROJECTS

- FAIRMONT STATE UNIVERSITY: 10-YEAR INFRASTRUCTURE IMPROVEMENTS PROJECT:
 - Utilities, Roadways, Sidewalks, Storm Drainage, Utility Relocation
 - Parking Garage
 - Falcon Center (Student Activity Center)
 - Bryant Place Dormitory

- RALEIGH COUNTY MEMORIAL AIRPORT INDUSTRIAL PARK
- McDOWELL COUNTY PRISON
- PINECREST BUSINESS AND TECHNOLOGY PARK –RALEIGH COUNTY, WV
- WOLF CREEK PARK “LIVE, WORK AND PLAY” COMMUNITY – FAYETTE COUNTY, WV
- CHARLES POINTE DEVELOPMENT – BRIDGEPORT, WV
 - Mass Grading, Roadways, Sidewalks, Utilities
 - Conference Center
- WOOD PRODUCTS INDUSTRIAL PARK – MINGO COUNTY, WV
- PUTNAM COUNTY INDUSTRIAL PARK
- BELINGTON INDUSTRIAL PARK – BARBOUR COUNTY, WV
- FEDERAL BUREAU OF PRISONS
 - Glenville Correctional Institute – Gilmer County, WV
 - Canaan U.S. Penitentiary / Federal Prison Camp
- U.S. DEPARTMENT OF VETERANS AFFAIRS – WEST VIRGINIA NATIONAL CEMETERY EXPANSION

EDUCATION

FAIRMONT STATE UNIVERSITY – Bachelor of Science, Civil Engineering Technology

REGISTRATIONS

- Registered Professional Engineer, State of West Virginia
- Registered Professional Engineer, State of Maryland
- WVDOH Certified Concrete Technician
- WVDOH Certified Compaction Technician

AFFILIATIONS

- Fairmont State University Technology Advisory Committee

Craig M .Baker, Associate AIA
Architectural Project Manager / Architect



Mr. Baker serves Project Manager for numerous public and private architectural projects throughout the State of West Virginia. In this capacity, he holds responsibility for client communication, scheduling, construction document preparation, bidding, and construction management.

- ❑ Hospice Care Patient and Administrative Facilities (Elkins, WV)
- ❑ Cortland Acres Medical Records Department, Thomas WV
- ❑ Oak Hill Police Department (Oak Hill, WV)
- ❑ Rahall Center at the Woodlands (Beckley, WV)
- ❑ Shenandoah Office Park (2 Multi-Story Office Buildings – Martinsburg, WV)
- ❑ Mon Valley Bank (Bridgeport and Martinsburg, WV)
- ❑ Horizon Church, Lost Creek, WV
- ❑ Glenville State Convocation Center, Glenville, WV

REPRESENTATIVE PROJECTS

Past Experience (Other Firms):

- ❑ Towers Renovation, West Virginia University, Morgantown, WV
- ❑ Fieldcrest Hall Renovations, West Virginia University, Morgantown WV
- ❑ Grant Franklin Jr. M.D Office Building, Fairmont WV
- ❑ Dr. Mohammad Arja Office Renovations, Fairmont, WV
- ❑ Bridgeport City Building, Bridgeport, WV
- ❑ Therapy Services, Morgantown, WV
- ❑ Uniontown Senior Housing Facility, Uniontown, PA
- ❑ Willowdale Mixed Use Facility, Morgantown, WV
- ❑ F.B.I Fingerprint Facility, Fairmont, WV
- ❑ Med Express Urgent Care, Morgantown, WV
- ❑ Mon Schools Foundation Bus Garage, Morgantown, WV
- ❑ Burroughs Street Senior Housing Facility, Morgantown, WV
- ❑ Texas Roadhouse Restaurants, Morgantown, Clarksburg WV & Greensburg, Washington PA

EDUCATION

Bachelor of Science—Architecture Engineering Fairmont State University

PROFESSIONAL AFFILIATIONS:

American Institute of Architects- Associate, West Virginia #1500 - Student

HONORS AND AWARDS:

Bachelors Level Design Award, 2000 Fairmont State University

PROFESSIONAL AND CIVIC INVOLVEMENT: President American Institute of Architecture Students, Fairmont State University, 1999-2000

Lee O. Gustafson, AIA
Lead Architect



Prior to joining Thrasher Engineering in 2005, Mr. Gustafson a sole-proprietorship firm specializing in educational and health care facilities. Additionally, he provides architectural services for military installations, apartment complexes, office buildings and structures associated with Thrasher Engineering's site development projects. A graduate of the University of Cincinnati, Mr. Gustafson brings over thirty years of experience to the team, with over twenty-five of those years designing and managing projects throughout the State of West Virginia.

REPRESENTATIVE PROJECTS

- ❑ Elkins Hospice Care Patient and Administrative Facility
- ❑ West Virginia University Eye Institute; New Construction
- ❑ West Virginia University Ruby Memorial Hospital; Renovations
- ❑ United Hospital Center; Renovation, ADA Compliance and Fire Code Upgrades
- ❑ William R. Sharpe, Jr. Hospital; Renovation, ADA Compliance and Fire Code Upgrades
- ❑ Cortland Acres Medical Records Department, Thomas WV
- ❑ Grant County Nursing Home; New Construction, Additions and Renovations
- ❑ Rahall Center at the Woodlands
- ❑ Lumberport Volunteer Fire Department
- ❑ Spelter Volunteer Fire Department
- ❑ Shenandoah Office Park (2 Multi-Story Office Buildings – Martinsburg, WV)
- ❑ Mon Valley Bank (Bridgeport , Fairmont and Martinsburg, WV)
- ❑ Horizon Church, Lost Creek, WV
- ❑ S.T.A.R Training Facility, Parkersburg, WV
- ❑ Glenville State Convocation Center, Glenville, WV
- ❑ Salem International University Randolph Hall, ADA Compliance and Fire Code Upgrades
- ❑ Erickson Alumni Center; New Construction
- ❑ Horizon Church and Education Complex; New Construction
- ❑ Tucker County Senior Center, New Construction
- ❑ Harrison County Board of Education

EDUCATION

Bachelor of Science, Architecture, 1975 - University of Cincinnati

REGISTRATION

American Institute of Architects (AIA), State of West Virginia
Certification, National Council of Architectural Registration

PROFESSIONAL AFFILIATIONS:

West Virginia Society of Architects
A.I.A. Committee on Architecture for Education
A.I.A. Committee on Architecture for Health Care
A.I.A. Committee on Architecture for Justice

Meghann S. Gregory
Schematic and Interior Design



Professional History:

B.S. in Architecture, 2007 – Fairmont State University
1 Year of Experience

Past Experience:

- ❑ **City of Oak Hill Police Department**
 - Schematic Design / Construction Document Adjustments
- ❑ **Morgantown AES Federal Credit Union, Morgantown, WV**
 - Construction Document Adjustments
- ❑ **Hospice Care, Elkins, WV**
 - Construction Document Adjustments
- ❑ **Shenandoah Office Park, Martinsburg, WV**
 - Construction Document Adjustments and Floor Plan Design for lease spaces including The Berkeley Associates, Public Defenders, and other offices.
- ❑ **Jackson County Commission, Ripley, WV**
 - Floor Plan Design Proposal
- ❑ **Weirton-Millsop Community Center, Weirton, WV**
 - Front Façade Facelift Design and Presentation Rendering
- ❑ **Cambridge Place Six, Bridgeport, WV**
 - Construction Document Adjustments
- ❑ **North Central West Virginia Airport, Bridgeport, WV**
 - Proposed Floor Plan Design for Renovation
- ❑ **Harrison County Humane Society, Shinnston, WV**
 - Building Addition, Floor Plan Design, and Rendering
- ❑ **Progressive Insurance, Bridgeport, WV**
 - Proposed Floor Plan Design
- ❑ **Polymer Alliance Zone, Parkersburg, WV**
 - Proposed Floor Plan Design for Renovation
- ❑ **White Oaks Development, Bridgeport, WV**
 - Proposed Floor Plan Design and Rendering
- ❑ **Chico Dairy Mart, Morgantown, WV**
 - Proposed Floor Plan Design
- ❑ **Thrasher Engineering Field Services Office, Clarksburg, WV**
 - Floor Plan Design Adjustments
- ❑ **Residences**
 - Floor Plan Design Adjustments

Honors and Awards:

AIAWV Jeffrey Mayfield Scholarship, 2006 - Fairmont State University

Professional and Civic Involvement:

2006-2007 Secretary - American Institute of Architecture Students

Jeffery Gola, P.E.
Project Engineer
Site Development and Structural



SUMMARY OF EXPERIENCE

Mr. Gola joined Thrasher Engineering in 1998 and serves as Project Manager/Engineer on Highway Projects, Community Improvement Projects, and Commercial Site Development Projects. He is experienced in all aspects of the project control, from design and drafting to the bidding process to the over site of the construction inspection. Specialties include:

- *Highway Engineering: planning and design of roadways and sidewalks.*
- *Structural Engineering: design of bridges, retaining walls, and structures/demolition plans*
- *Site/Land Development: design of roads, drainage, storm water manager, erosion and sediment control and numerous regulatory permitting activities.*
- *Hydrology and Hydraulic Engineering: stream modeling and dam break analysis.*

EDUCATION

- ❑ *B.S., Civil Engineering – West Virginia University, Summa Cum Laude 1998*

CERTIFICATIONS

- ❑ *Registered Professional Engineer (PE), State of West Virginia #15621*
- ❑ *Registered Professional Engineer (PE), State of Maryland #33492*
- ❑ *American Society of Civil Engineers*
- ❑ *American Society of Highway Engineers*
- ❑ *City of Mannington Code Enforcement Appeal Board*

REPRESENTATIVE PROJECT EXPERIENCE

- ❑ *Fairmont State University, Engineering Technology Building: For this project we were working with the architect who was renovating the existing technology building on campus. Our portion of the job was to provide grading and utility plans for the renovation. As the plans progressed, the owner decided to include a retaining wall. The wall was designed as a segmental block wall which had grating that spanned between the wall and the proposed building.*
- ❑ *Fairmont State University, Athletic Field Improvement: The goal of the design was to provide grading and the aggregate sub base for the installation of field turf. The field turf was to be installed on both the main football field and softball field. The design included a retaining wall, drainage structure, and a new access road to the fields. The biggest obstacle for the project was that the contract had to be designed and built before the first football game. Having not started the design until late spring, we were still able to competitively bid and award the contract and work with the contractor to meet the deadline.*

-
- ❑ **Mid-Atlantic Aerospace Complex:** Design of approximately 5400 linear feet of a storm water system and a detention pond. The proposed system will provided drainage infrastructure for future development along an existing airport taxiway.
 - ❑ **Buffalo Lake Dam Improvements:** Provided a dam break analysis of the existing dam to provide a report on improvements that would be needed to bring the dam within compliance with the WV Dam Safety Act. The procedure included determining the hazard class of the dam and compiling plans that would enable the dam to be brought up to the latest standards. During the project we were able to form a close working relationship with WVDEP Dam Safety Section.
 - ❑ **City of Pleasant Valley Sidewalks:** Working with the local regional planning and development council, successfully designed and constructed approximately 2000 feet of sidewalk using transportation enhancement funds. Designed a phase 3 portion of sidewalk for the city that will provide a safe route for students to walk to the local elementary school. Typically these types of projects stay within the WVDOH right of way and therefore have to reviewed and approved by them.
 - ❑ **City of Ripley, Main Street Revitalization:** Took all of the existing overhead utility lines along Main Street and put them underground in conduit. The project involved direct coordination with the utility companies to ensure they had the necessary number, size, and location of conduit. Beyond the utilities, the Main Street was designed with new sidewalks that incorporated brick pavers, hand railing, decorative street lights, and handicap ramps.
 - ❑ **Wirt County Commission Sidewalks:** Worked for both the Wirt Co. Commission and the Town of Elizabeth for the design of approximately 1000 square yards of sidewalk. The project consists of replacing sidewalk around the courthouse square and along the main street in the town.
 - ❑ **Raleigh County Memorial Airport Industrial Park:** Designed the roadway and drainage for a 100 acre industrial park. The project included a detailed erosion and sediment control plan. The job was unique to me in that I took the role in handling all invoices and project administration between the owner, contractor, and funding agencies.
 - ❑ **Benedum Airport Authority:** Provided a grading, drainage, and erosion and sediment control package for improving the North Central WV Airport runway safety area approach slopes. The project is now proceeding to the design of an 800 foot runway extension.

Robert "K.C." Craddock
Construction Management/Inspection/Testing



SUMMARY OF EXPERIENCE

Mr. Craddock joined Thrasher Engineering in 2003 and serves as Project Representative for the firm. He is primarily responsible for materials testing, construction inspection, foundation inspection and special services such as bolt torque and fire proofing. Additionally, Mr. Craddock is certified by the West Virginia Department of Transportation Division of Highways for inspection in several disciplines.

EDUCATION

- A.S. Civil Engineering Technology, 1998 – Bluefield State College*
- Independence High School, 1995*

CERTIFICATIONS

- WVDOH Compaction Inspector*
- WVDOH Radiation Safety*
- WVDOH Confined Space*
- WVDOH Concrete Inspector*

REPRESENTATIVE PROJECT EXPERIENCE

Representative Projects

- WVU Health Sciences Learning Center Addition, Materials Testing and Inspection for Phases I and II*
- Blanchette Rockefeller Neuroscience Institute Bio Medical Research Facility*
- West Virginia University Cancer Center*
- WVU Health Sciences Learning Center Addition, Materials Testing and Inspection for Phases I and II*
- Ruby Memorial Hospital North and Northeast Additions, Materials Testing and Inspection for All Phases of Construction*
- Mon General Hospital Addition*
- Fairmont State University, East Campus Drive; Materials Testing and Inspection*
- Fairmont State University, West Campus Drive; Materials Testing and Inspection*
- Fairmont State University, Parking Garage; Materials Testing and Inspection*
- Fairmont State University, Bryant Place Dormitory; Materials Testing and Inspection*
- Village of Suncrest*
- Aurora Flight Sciences*
- Soaring Eagle at Snowshoe, Foundation Inspection and Materials Testing*
- Chestnut Ridge Community Church; Materials Testing and Inspection for All Phases of Construction*
- Robert Bland Middle School, Foundation and Piling Inspection*
- Mountain Line Transit Bus Garage, Materials Testing and Inspection*
- MUB Contract – Laurita Excavating, Materials Testing*
- Lake O' Woods Retention Ponds; Materials Testing and Sitework Inspection*
- Hazelton Women's Prison*

HE Harper Engineering

PO Box 874
St. Albans, WV 25177
Office: 304.722.3602 Fax: 304.722.3603

Jason E. Harper, PE
(304)-541-1390
jason@harperengwv.com

Education

West Virginia University Institute of Technology
Montgomery, WV
Bachelor of Science-Mechanical Engineering

Registrations/Professional Affiliations

WV Licensed Professional Engineer
ASHRAE

Experience

Jason E. Harper, PE brings 5 years design experience to our firm. He has experience with HVAC and piping design. His projects include educational facilities (including colleges and universities), health care facilities, office buildings, banks, emergency services facilities, postal facilities, and government buildings.

Projects

Princeton Community Hospital
Summersville Readiness Center
Lewisburg Readiness Center
WVARNG Fire Station
Mylan Pharmaceuticals Expansion
Raleigh Co. 911 Center

Independence High School HVAC
Liberty High School HVAC
Grafton High School Addition
Robert Byrd Health Science Center
TMH MRI Addition- Ashton Place

Related Project Experience

Thrasher

Engineering, Inc.'s team offers a portfolio of engineering and architectural projects featuring a variety of project types of various sizes and costs. For these projects, we have provided project planning, design, construction documentation and in many cases the site development and field services aspects of the projects.

Over the past five years, our portfolio of business has included new structures, additions and renovations in the areas of healthcare, government facilities, commercial / office buildings and light industrial.

Project Experience includes:

Healthcare:

- ❑ *Wm. Sharp Hospital – Renovations – Weston, WV*
- ❑ *Elkins Hospice Care – Patient Care and Administrative – New Structure*
- ❑ *West Virginia University Eye Institute – New Structure Morgantown, WV*
- ❑ *Ruby Memorial Hospital- Renovations – Morgantown, WV*
- ❑ *Ruby Memorial Hospital Administration Building – Preliminary Schematic Design – Morgantown, WV*
- ❑ *United Hospital Center – Renovations – Clarksburg, WV*
- ❑ *St. George Clinic – Additions – St. George, WV*
- ❑ *Cortland Acres Nursing Home Facilities – Master Planning, New Structures, Additions, Renovations*
- ❑ *Fox Nursing Home – New Structure – Hancock County, WV*
- ❑ *FoxCrest Assisted Living – New Structure – Hancock County, WV Grant County Nursing Home – Renovations / Additions – Petersburg, WV Pendelton Nursing Home – Renovations / Additions – Franklin, WV*
- ❑ *Valley Community Mental Health Clinics – Various – Morgantown / Fairmont and Grafton, West Virginia*



William R. Sharpe, Jr. Hospital

Scope of Services:

This project consisted of building out an existing 3,700 square foot unfinished section of the second floor to create office, work areas and file storage for the hospital records department. This build-out included the installation of a 2-stop elevator housed in an existing elevator shaft, as well as partitioning work on the unfinished first floor area below.

Utilities were also modified or expanded during this project. The utilities involved included plumbing, automatic sprinklers, fire alarms, VAV HVAC systems, new 277V lighting fixtures and new receptacle and equipment circuits from existing branch circuit panels.

This building consists of two-stories with a steel frame structure and concrete floors. It also has metal roof deck, exterior brick and an aluminum curtain wall.

Interior work included metal stud and drywall partitions, lay-in ceilings, hollow metal door and borrow light frames with solid core wood doors and hardware, plumbing for a new kitchenette unit, modifications to the VAV HVAC system, 120V power distribution for receptacles and equipment, 208V power connection for the elevator equipment, a pit light and convenience receptacle in the elevator shaft, 277V circuits for lighting, adjustments to emergency and exit lighting and modifications to the automatic sprinkler and fire alarm systems.

New finishes for the interior include carpet, vinyl composition tile, ceramic floor tile, painted drywall partitions, bulkheads, beam and column enclosures, painted hollow metal door and sidelight frames with flush wood doors, kitchenette cabinets and trim and plastic laminate reception desks.

Client:

William R. Sharpe, Jr.
Hospital
936 Sharpe Hospital
Road
Weston, WV 26452
304-269-1210

Location:

Weston, WV

Project

Classification:

Renovation

Building Size:

Main Floor – 3,750

Square Feet

Ground Floor – 2,500

Square Feet

Cost:

\$473,000.

Contractor:

Huffman Corporation
415 A Benedum
Drive, Bridgeport, WV
26330. | 304.842.850



Elkins Hospice Care – Elkins, WV



Building Size:

Patient Care – 6,900 Square Feet (12 beds)
Administration- 7,600 Square Feet (2-Story)

Cost: \$2,410,880.00.

Scope of Services:

Architectural and interior design and construction management



The project consisted of the complete interior stripping and remodel of an existing 5800 SF nursing home facility to create a state of the art hospice facility. The renovation created a 12-bed facility to meet the owners' goal of a hospice which was "as comforting and home-like as possible". This was achieved with the use of deep, warm earth tones, natural hardwood trim and accents, patient and family lounge facilities with oversized sofas and residential style lighting. Each patient room is furnished with a private desk, wide screen flat panel TV and sitting area. Additionally, each room contains its own thermostat to allow individual comfort levels.

Special care was taken to conceal all healthcare amenities to maintain the familyhome feel of the hospice



A 1200 square foot addition was included in this aspect of the project to contain all laundry facilities as well as necessary support staff amenities. The full sprinkler, fire alarm, nurse call and oxygen system makes this facility to meet all state and federal codes for health care structures.

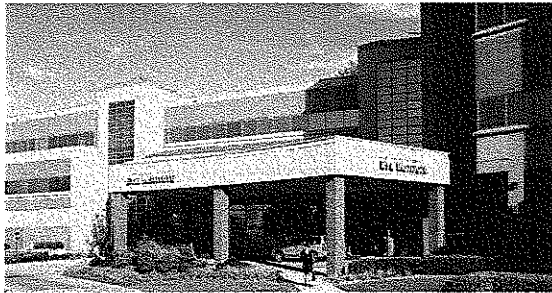


In addition to the remodel, a 2-story, 7600 sf administration addition was constructed and connected to the patient care area. This houses 8 private offices, 18 cubicles, 3 large conference rooms; staff break rooms, elevator and full basement. The exterior brick was specifically matched to the existing structure to obtain a more cohesive structure.

Contact:

Ms. Malene Davis, President
Hospice Care of WV
Route 92 South
Arthurdale, WV 26520
1-800-350-1161

West Virginia University Eye Institute - Morgantown, West Virginia



Building Size:
50,000 Square Feet

Cost:
\$7,000,000.

Scope of Services:
Architectural and interior design and specification preparation.



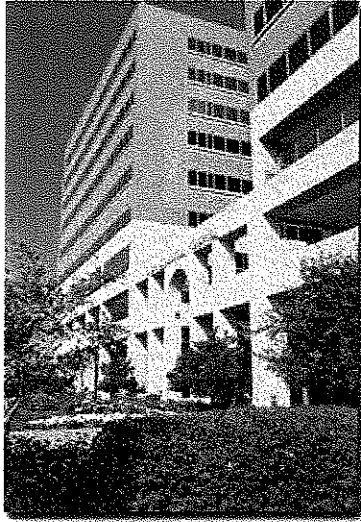
As part of West Virginia University's Department of Ophthalmology, this building houses clinics for patient care, diagnostic testing and laser treatments, offices and laboratories. Additionally, this building provides specialized equipment for examinations rooms and classrooms. This project was funded by West Virginia University Hospitals, University Health Associates and the WVU School of Medicine.

*Lecture Hall – WVU Eye Institute- Above
Eye Institute Lobby - Below*



Under the Direction of the WVU Health Sciences Center, the Project utilized seven contractors.

Contact:
WVU Hospitals
Facilities Management
Room 4C50
PO Box 8027
Morgantown, WV 26506
304-598-4141
304-598-4958 – Fax



West Virginia University Ruby Memorial Hospital Renovations - Morgantown, West Virginia

Size:

Project 1: Renovations of the Cardio/Vascular Testing Department – 2,984 Square Feet

Project 2: Addition and Renovations for the Health Information Management Department – 3,080 Square Feet

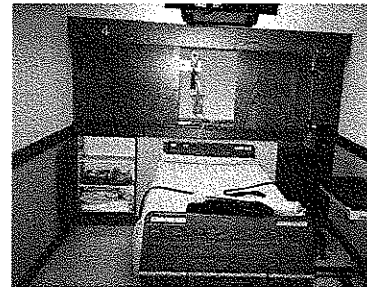
Cost:

Cardio Vascular Testing Dept. – \$269,524

H.I.M. – \$104,341

Cardio/Vascular Testing Department

This project consisted of remodeling the Cardio/Vascular Testing Department at Ruby Memorial Hospital. This project established an Imaging Suite and additional laboratories, a scheduling and reception area, and reading and resulting rooms, a probe station and a staff lounge. This renovation increased the use of space by approximately 40 percent by eliminating unnecessary corridors and improving the flow throughout the office.



Health Information Management Department

This project consisted of renovations and an addition to the Health Information Management Department at Ruby Memorial Hospital. This project increased the transcription area and added doctor review space. This project also established a control desk to regulate document distribution and flow throughout the office.

West Virginia University Administration Building – Morgantown, WV

Architect Lee Gustafson provided schematic design for a planned new 43,500 square foot administrative office building at the WVU Health Sciences Center.

Planned space by department is shown in the following:

- Flight Department** – 1,357 square feet
- Patient Finance Department** – 7,890 square feet
- Education/Training Department** – 4,458 square feet
- Finance and Accounting** – 5,951 square feet
- I.T. Applications** – 10,213 square feet
- I.T. Network / Telecommunications** – 4,652 square feet
- I.T. Computer Room** – 7,919 square feet

Building Size:

43,200 Square Feet

Project Status: Not Constructed

United Hospital Center

Scope of Services:

This project consisted of the renovation of an existing doctor's office into two separate doctor's offices. The space for this project encompassed 2,000 square feet.

This building consists of three stories and has steel frame constructions with concrete floors, metal stud and drywall partitions, lay-in ceilings, central plumbing connections, a central VAV HVAC system, central power distribution panels and automatic sprinkler and fire alarm systems.

Interior finishes for this project included carpet, sheet vinyl, finished drywall, painted hollow metal door frames with flush wood doors, custom wood cabinets and trim, plastic laminate reception desks, lab countertops, examination room counters and lay-in ceiling to match the existing ceiling.

Other Projects Involved with United Hospital Center:

- Associated Internists Office – Completed**
- Guy Psychiatry Office – Completed**
- King OBGYN Office – Completed**



Client:

United Hospital Center
3 Hospital Plaza
P.O. Box 1680
Clarksburg, WV 26301
304/624-2121
uhc@uhcwv.org

Location:

Harrison County, WV

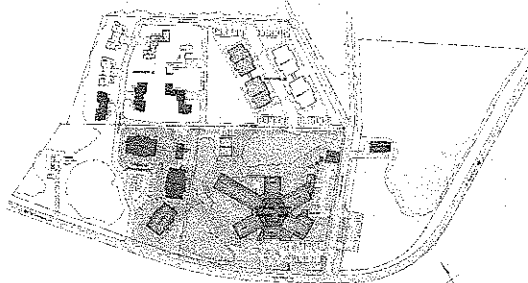
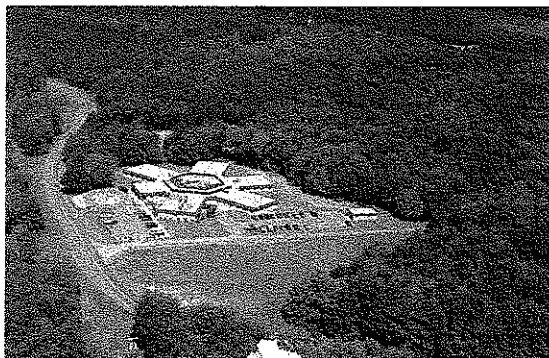
Project Classification:

Renovation

Building Size:

2,000 Square Feet

Cortland Acres Master Planning for Housing, Clinic, Adult & Child Daycare, & Future Replacement Facility



MASTER SITE PLAN
CORTLAND ACRES ASSOCIATION, INC.
LIFE © CHRISTENSEN ARCHITECT A.S.A.

Wellness & Therapy Addition

This 3,460 square foot addition replaced the existing Physical and Occupational Therapy areas and greatly increased the space to include Outpatient Therapy and Community Fitness programs. The gym will house therapy and fitness equipment, and provide open floor space for a variety of fitness activities.

The “Endless Pool” is a first of its kind in this region of the state and allows for continuous walking and swimming against a steady current or therapeutic massage from the hydro jet system. Administrative areas include Outpatient Reception, Waiting Room, and Shower Rooms, as well as Offices, Record Rooms, and Private Treatment Rooms.

Construction in general is a wood frame with brick veneer and mansard fascia and EPDM roofing to match the existing building. Special features include high transom windows and cushioned vinyl flooring in the gym to allow for both natural light and a view of the wooded surroundings.

Addition Size:
3,460 Square Feet
Cost: \$461,925

Client/Contact:

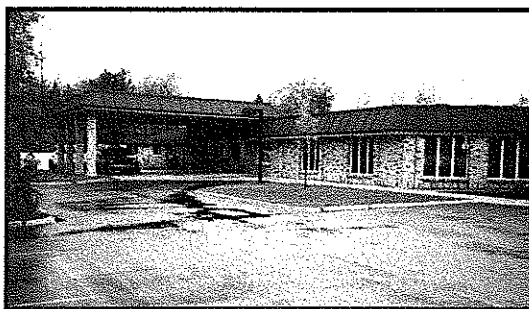
Cortland Acres Nursing Home
Don Black, Administrator
304-463-4181

Location:

Thomas, WV

Project Status:

Completed



Canopy & Automatic Entrance Doors

This project included a canopy to protect guests, ambulances, and deliveries from the often severe weather of Tucker County. It also enclosed the original porch with a window wall and automatic entrance doors.

The main structure is a steel frame with wood trusses and brick and mansard finishes matching the existing building. Work also included the paving of the drop-off area and circle drive and a hydronic snow melting system.

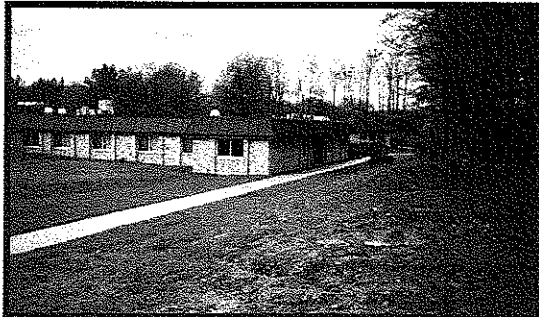


Canopy Size: 1,600 Square Feet
Cost: \$110,000

Alzheimer's Dementia Addition

This project consisted of a D-Wing conversion and activity room addition for the Alzheimer and Dementia residents

Addition Size: 3,120 Square Feet
Cost: \$283,000



Dining Room & Office Additions

This project included additions to the "A" Wing for dining and administrative areas.

Addition Size: 2,680 Square Feet
Cost: \$69,647.00

Laundry Addition

This project consisted of the removal of the original laundry area and the addition of an all new laundry facility.

Size: 950 Square Feet
Cost: \$76,066.00

Addition Cost:



PT & OT Renovations: Renovation / Size: 250 Square Feet **Cost:** \$15,000

Guest Room & Personal Care Addition / Addition Size: 1,050 SF **Cost:** \$92,600
Maintenance Garage /Addition Size: 506

Square Feet Cost: \$12,500

Kitchen & Storage Additions/ Addition Size: 450 Square Feet **Cost:** \$27,000

CONTRACTORS:

High County Contracting
 Daycon, Inc.
 Roberts Construction

The architects of Thrasher Engineering, Inc. offer a full spectrum of experience in hospital and health care experience. This section of project examples focuses on nursing homes and hospice care facilities and urgent care facilities.

Fox Nursing Home/ Foxcrest Assisted Living



This project consists of a sixty bed capacity nursing home including patient rooms, multi-purpose recreational areas, administrative areas, kitchen, cafeteria, staff rooms, laundry and mechanical equipment rooms.

This project was to add a new 9,800 square foot, 22 bed assisted living home adjacent to Fox Nursing Home. It has a wood frame structure, brick veneer and vinyl siding, concrete floors, shingle roofing, central and private bathrooms, resident and administrative casework, stud and drywall interior partitions, and suspended lay-in ceilings. Additionally, there are clad wood windows, insulated exterior entrance doors, commercial grade interior doors and hardware, a kitchen, a laundry facility, forced air HVAC systems, complete electrical and lighting systems, nurse call systems, site grading and utilities, and concrete walks and asphalt paving.

Client:

Fox & Fox Partners, Inc.
James E. Fox
1038 Pan Avenue
Chester, WV 26034
304-387-0101

Location:

Hancock County, WV

Building Size:

22,810 Square Feet

Project Cost:

\$1,300,000

Grant County Nursing Home



This project consisted of doubling the beds at the Grant County Nursing Home from its original 60 to 120. Additionally, this project included a Day Room Addition for the conversion of a 30 bed intermediate care wing to a Special Care unit for Alzheimer and Dementia residents, site preparation for a future 30 bed stand-alone Special Care Facility and 30 bed Respite Care Facility to be located on this nursing home's four acre tract, and eight independent living homes adjacent to the nursing home.

Client:

Grant County Nursing Home 304-257-4233

Location:

Grant County, West Virginia

Project Cost:

\$1,200,000

Building Size:

15,212 Square Feet

Completed On Schedule

Valley Community Mental Health Centers- Grafton Clinic

This project began with a quick response to a small renovation at the corporate headquarters located in Morgantown, West Virginia; then expanded to include a new clinic in Grafton, the ACT (Alcohol and Chemical Abuse Treatment) unit in Fairmont and the plans for the STRU (Short Term Residential Crisis Center) and MRDD Facilities in Morgantown.

Each of these facilities is one story walk-in facilities with easily maintainable interiors. The exteriors are partially brick and partially cedar siding.

The Valley Community Mental Health Centers Grafton Clinic involved constructing an addition and the renovation of a former lawn equipment store for use as a new office building.

Client:

Valley Community Mental Health Centers
Gerald Schmidt, C.E.O.
304-296-1731

Location:

Grafton, West Virginia

Project Classification:

Renovation / Addition

Building Size:

3,316 Square Feet

Cost:

\$229,000



Office Addition

- ❖ Fiberglass Wall & Ceiling Insulation
- ❖ Shingled Roof
- ❖ Drywall on Wood Stud Partitions
- ❖ Plastic Laminate Counterwork
- ❖ Attic Access
- ❖ Client & Staff Restrooms
- ❖ Attic Access
- ❖ Entry Skylights
- ❖ Interior Sound Batt Insulation
- ❖ Two HVAC Systems with Air Handlers
- ❖ Interior and Exterior Wiring and Lighting
- ❖ Grading for New Parking and Lawn Areas
- ❖ All Site Utilities
- ❖ Removal of Oversized Concrete Footings

Office Renovation

- ❖ Removal of Interior Partitions and Fixtures
- ❖ New Partition Framing
- ❖ Roof Framing Additions and Modifications
- ❖ New Exterior Windows and Doors
- ❖ Cutting and Patching of Existing Slab for New Sanitary Sewer Lines and Leveling Repairs
- ❖ Sealing of Existing Foundation Cracks
- ❖ New Exterior Siding
- ❖ Brick Work
- ❖ New Shingles to Match Addition

Scope of Services:

Following the completion of the Valley Grafton Clinic was the ACT (Alcohol and Chemical Abuse Treatment) unit in Fairmont and the plans for the STRU (Short Term Residential Crisis Center), MRDD Facilities in Morgantown, V.A.R.U. (Valley Addiction Recovery Unit) and Valley Group Homes.

Each of these facilities is a one story walk-in facilities with easily maintainable interiors. The exteriors are partially brick and partially cedar siding.



ACT Unit – Fairmont, West Virginia – This was a one story wood frame with brick veneer structure, with a concrete slab grade floor.

- ❖ Fiberglass Wall & Ceiling Insulation
- ❖ Shingled Roof
- ❖ Drywall on Wood Stud Partitions
- ❖ Plastic Laminate Counterwork
- ❖ Shower Rooms With Floor and Wall Tile
- ❖ Kitchenette Unit
- ❖ Client & Staff Restrooms
- ❖ Roof Windows
- ❖ Interior Sound Batt Insulation
- ❖ Laundry Room
- ❖ Sanitary Sewer Grinder Pump Station
- ❖ Parking and Lawn Areas
- ❖ Concrete Walks and Curbs
- ❖ Utility Connections

Location:

ACT Unit
Fairmont, West Virginia

Project Status:

Completed and Occupied

Building Size:

5,750 Square Feet

Cost:

\$392,000

Valley STRU – Morgantown, West Virginia – This building had a one story wood frame with brick veneer and a concrete floor.

- ❖ Fiberglass Wall & Ceiling Insulation
- ❖ Shingled Roof
- ❖ Drywall on Stud Partitions
- ❖ Plastic Laminate Counterwork
- ❖ Serving Kitchen and Kitchenette Unit
- ❖ Skylights & Insulated Casement Windows
- ❖ Three HVAC Systems with Air Handlers
- ❖ Two Shower Rooms
- ❖ Client & Staff Restrooms
- ❖ Interior and Exterior Lighting Fixtures
- ❖ Grading for Parking Lot
- ❖ Concrete Walks and Curbs
- ❖ Paved Parking Areas
- ❖ Site Utilities

Client:

Valley Community Mental Health Centers
Gerald Schmidt, C.E.O.
304-296-1731

Location:

Valley STRU
Morgantown, West Virginia

Project Status:

Bid but Not Constructed
Pending Funding

Building Size:

7,000 Square Feet



References

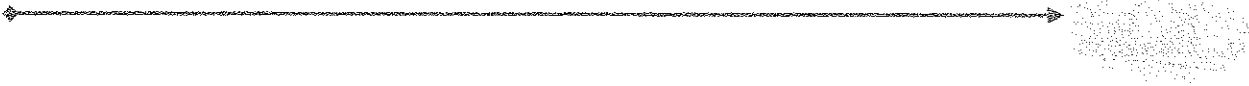
- ❑ **Mr. Scott Burns** (304) 598-4125 x 7373
Project Manager-Planning, Design and Construction
WVU Hospitals and Health Science Center
4C58 Ruby / PO Box 8027
Morgantown, WV 26506
burns@wvuh.com

- ❑ **Mr. Don Black** (304) 463-4181
Administrator
Cortland Acres Nursing Home
Hc 60, Box 98
Thomas, WV 26292

- ❑ **Mr. Gerard Schmidt** (304) 296-1731
Chief Operations Officer
Valley Community Health Centers
301 Scott Avenue
Morgantown, WV 26508-8804
Fax: 304.225.2288

- ❑ **Mr. Jim Decker** (304) 367-4861
Construction Manager
Fairmont State University
1201 Locust Ave.
Fairmont, WV 26554-2491
Fax: 304-367-4656
jdecker@fairmontstate.edu

- ❑ **Mr. Terry Shobe** (304) 257-4233
Administrator
Grant County Nursing Home
27 Early Avenue
Petersburg, WV 24587



Contractor References:

- ***Mr. Bud Henderson*** (304) 623-2573
City Window & Construction
Rt. 2 Box 285
Clarksburg, WV 26301
Fax: 623-3775

- ***Mr. Wayne Huffman*** (304) 842-8500
Huffman Corporation
415 Benedum Dr # A
Bridgeport, WV 26330

- ***Mr. Jamie Flint*** (304)364-5555
Flint Construction
1 Public Road
Gassaway, WV 26624

- ***Mr. Frank Day*** (304) 457-5607
Daycon Construction
114 Beech Ave
Philippi, WV 26416

- ***Mr. Andy Wiseman*** (304) 344-1200
Wiseman Construction
1616 6th Ave.
Charleston, WV 25312
Fax 304-344-1281

- ***Mr. Don Miller*** (304) 263-9988
Minghini's General Cont.
51 Trumpet Lane
Martinsburg, WV 25404
Fax 304-263-0109